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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/553,240

10/14/2005

Kenji Kato

050638

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23850 7590 03/16/2010  
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EXAMINER

METZMAIER, DANIEL S

ART UNIT

PAPER NUMBER

1796

MAIL DATE

DELIVERY MODE

03/16/2010

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Examiner-Initiated Interview Summary</b>	<b>Application No.</b> 10/553,240	<b>Applicant(s)</b> KATO ET AL.	
	<b>Examiner</b> Daniel S. Metzmaier	<b>Art Unit</b> 1796	

  

**All Participants:**

(1) Daniel S. Metzmaier.

(2) Daniel A. Geselowitz, Ph.D..

**Date of Interview:** 12 March 2010

**Type of Interview:**  
☒ Telephonic  
☐ Video Conference  
☐ Personal (Copy given to: ☐ Applicant    ☐ Applicant's representative)

Exhibit Shown or Demonstrated: ☒ Yes    ☐ No  
 If Yes, provide a brief description: *Proposed amendment to claim 9 that would obviate the rejection under 35 USC 112, 2<sup>nd</sup> paragraph in the Final Action. A copy of the proposed amendment appears below.*

**Part I.**

Rejection(s) discussed:  
*Rejection of claims 9-10 and 12 under 35 USC 112, 2<sup>nd</sup> paragraph.*

Claims discussed:  
*Claim 9.*

Prior art documents discussed:  
*None.*

**Part II.**

SUBSTANCE OF INTERVIEW DESCRIBING THE GENERAL NATURE OF WHAT WAS DISCUSSED:  
*See Continuation Sheet*

**Part III.**

☐ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview directly resulted in the allowance of the application. The examiner will provide a written summary of the substance of the interview in the Notice of Allowability.

☒ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview did not result in resolution of all issues. A brief summary by the examiner appears in Part II above.

**Status of Application:** Rejected

(3) \_\_\_\_\_

(4) \_\_\_\_\_

**Time:** ~ 9:15 AM

  

/Daniel S. Metzmaier/  
 Primary Examiner, Art Unit 1796

(Applicant/Applicant's Representative Signature – if appropriate)

Continuation of Substance of Interview including description of the general nature of what was discussed: the examiner indicated that the amendment to claim 9 filed 16 February 2010 did not obviate the rejection 35 USC 112, 2nd paragraph in the Final Action because the amendment does not clarify "what" is measured, "how" the conductivity is measured, and/or "how" the "second fine silver particle colloidal dispersion of a water system" is "controlled" to result in the electric conductivity. It was further noted that the amendment filed 16 February 2010 does not make clear what is measured. The examiner indicated the disclosure in paragraph bridging pages 29 and 30 disclose the measure of the ultrafiltrate. A proposed claim amendment was discussed that would obviate the rejection 35 USC 112, 2nd paragraph. The examiner noted that any subsequent After Final Amendment should cancel the non-elected and withdrawn claims.

Claim 9 (Currently amended): A process for producing a fine silver particle colloidal dispersion of a water-organic solvent system which comprises:

- a reaction step of allowing an aqueous silver nitrate solution to react with a mixed solution of an aqueous iron(II) sulfate solution and an aqueous sodium citrate solution to form an agglomerate of fine silver particles;

- a filtration step of filtering the resultant agglomerate of fine silver particles to obtain a cake of the agglomerate of fine silver particles;

- a dispersion step of adding pure water to the cake to obtain a first fine silver particle colloidal dispersion of a water system in which dispersion the fine silver particles have been dispersed in the pure water;

- a concentration and washing step of concentrating and washing the first fine silver particle colloidal dispersion of a water system to obtain a second fine silver particle colloidal dispersion of a water system; and

- a dilution and viscosity modifying step of adding an organic solvent to the second fine silver particle colloidal dispersion of a water system; wherein

- [[in]] after the concentration and washing step, the second fine silver particle colloidal dispersion of a water system, when subjected to ultrafiltration, has an ultrafiltrate that has an ~~controlled such that the~~ electric conductivity solvent of the dispersion, exclusive of the fine silver particles, is of 200  $\mu$ S/cm or less;

- in the dilution and viscosity modifying step, said organic solvent comprises dimethyl sulfoxide, and the fine silver particles in said fine silver particle colloidal dispersion of a water-organic solvent system are in a concentration of from 10% by weight to 70% by weight; and

- said fine silver particle colloidal dispersion of a water-organic solvent system does not contain any polymeric dispersing agent.